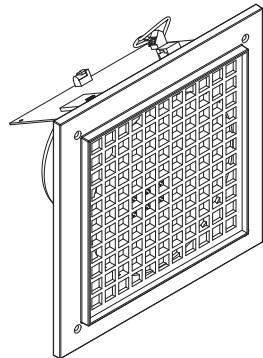




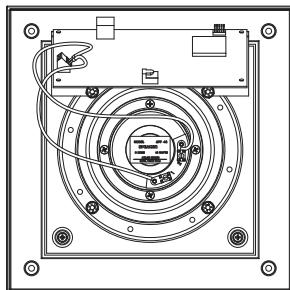
INFORMACAST® COMPLIANT HORN LOUDSPEAKER SYSTEM POWERED BY CISCO® POE NETWORK SWITCHES

IHVP

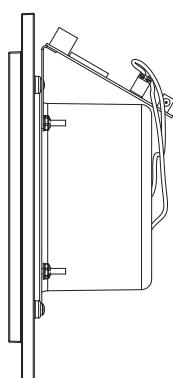
One



IHVP
(3/4 View)



IHVP
(Back View)



IHVP
(Side View)

FEATURES

- Use with Berbee InformaCast software, Cisco® POE networks & Cisco® IP Telephones to create extremely versatile paging and messaging systems
- Highly efficient APF horn loudspeaker system provides 104 dB average SPL @ 1 W / 1 M and is capable of 113 dB @ 1 meter via the rated power of the internal IP addressable amplifier.
- 95° dispersion in the 2 kHz octave band (-6 dB)
- Frequency response of 700 Hz to 5.5 kHz (± 5 dB) is perfect for high intelligibility speech and general messaging playback.

APPLICATIONS

The perfect choice for education, military/government and large-scale corporate applications, Berbee's InformaCast IP Broadcasting Solution revolutionizes communication, clock/bell, and message playback functionality. It provides the capability to simultaneously send a multicast audio stream and text messages to any combination of Cisco IP phones, Atlas Sound IP speakers, and PCs. With the push of a single button on the phone or a single click from a PC, a user can send a live, recorded, or schedules broadcast to one or more paging groups. With InformaCast compliant loudspeaker products from Atlas Sound, system designers and integrators will have the ability to deploy extremely large scale and complex paging systems over new or existing Cisco networks with the convenience of centralized administration by IT personnel.

Extreme cost savings can also be realized from the elimination of separate "stand alone" paging systems when InformaCast is utilized in education applications in conjunction with Atlas Sound speaker and clock/speaker baffle systems.

GENERAL DESCRIPTION

Model IHVP from Atlas Sound consists of a factory assembled horn loudspeaker/baffle with PCB amp/control board securely mounted to the rear of the baffle via concealed weld studs.

The amp/control board is capable of producing 9 watts RMS into the 8 Ω loudspeaker with 9VDC minimum power provided by Cisco IEEE 802.3AF compliant POE switches (local 12-18VDC PSU's may also be used instead of POE switches). Interconnection is via a board mounted female RJ-45 connector.

The industry standard APF-15 loudspeaker used in the IHVP is a highly efficient 15 watt compression driver with a proven record of outstanding service reliability. A double re-entrant design provides superior audibility of voice and tone signaling.

The vandal resistant, cast aluminum alloy baffle provides security and durability in commercial applications. A perforated 22-gauge stainless steel metal screen is provided over the loudspeaker to maximize protection and performance by allowing the optimum percentage of open area forward of the loudspeaker.

The baffle is finished in neutral white electrostatic powder coat and is packaged with all necessary vandal resistant mounting screws.

Specifications subject to change without notice



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*IPS-ZC1 interfaces to PA601 amplifier in IDF/MDF location. PA601 amplifier will power a single zone of up to (40) APF-15T loudspeakers set to 1 watt power tap each. This configuration will provide up to 80dB SPL @ 50' from each APF-15T device in the zone.

ENCLOSURE IS NOT INCLUDED. Available optional enclosures:

MODEL	DESCRIPTION
SEST-IH	Surface mount, straight enclosure for IVHP, stainless steel construction, neutral white finish
FEST-IH	Flush mount straight enclosure for IHVP, stainless steel construction, no finish

ARCHITECT AND ENGINEER SPECIFICATIONS

Unit shall be Atlas Sound Model IHVP. The loudspeaker system shall include factory assembled horn loudspeaker, IP addressable PCB amplifier/control and cast aluminum alloy baffle. Loudspeaker shall be Atlas Sound Model APF-15. Unit shall be double re-entrant type with compression driver mounted within vandal-resistant housing. Audio power capability shall be 15 watts continuous. Frequency response shall be 600-14,000 Hz (nominal), 700-5,500 Hz (± 5 dB). Sound pressure level shall be 104 dB (1 W / 1 M). Sound dispersion angle shall be 95°. Loudspeaker mounting shall be by eight .1875" (4.76 mm) evenly spaced holes. Model APF-15 dimension shall be 5 $\frac{5}{8}$ " (143 mm) Dia. x 3.4375" (87 mm) Deep with 6.9375" (176 mm) Dia. flange. Finish shall be grey baked epoxy. The IP addressable PCB amplifier/control shall be mounted to the rear of the loudspeaker baffle via concealed weld studs. The amplifier/control PCB shall be capable of producing 9 watts RMS with a minimum of 9VDC power provided either locally

or via Cisco IEEE 802.3AF compliant POE switches. Interconnect shall be via female RJ-45 connector mounted to the PCB. All control functionality of the PCB amplifier shall be determined via software. The metal loudspeaker baffle overall dimensions shall be 12.88" (327 mm) wide by 14.38" (365 mm) tall. Construction shall be cast from self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Assembly shall include provisions to mount the re-entrant horn. 22-gauge perforated stainless screen shall be spot welded over the loudspeaker cut-out. Flush-mounting tamperproof heat-treated alloy screws and a special wrench shall be furnished. Dimensions shall be 10.75" (237 mm) square by .75" (19 mm) deep (not including weld stud depth.) Baffle finish shall be textured white epoxy. Optional enclosures shall include white stainless steel surface mount model SEST-IH and flush mount model FEST-IH (unfinished.)

APF-15 LOUDSPEAKER SPECIFICATIONS

Power Handling	15 W continuous
Sensitivity	120 dB at 15 W (peak) 114 dB at 15 W / 1 M (avg) 700-5,500 Hz 104 dB 1 W / 1 M (avg) 700-5,500 Hz
Frequency Response	600-14,000 Hz (nominal) 700-5,500 Hz (± 5 dB)
Dispersion	95° (-6 dB, 2000 Hz octave band)
Dimensions	5 $\frac{5}{8}$ " Dia. x 3 $\frac{7}{16}$ " D x 6 $\frac{15}{16}$ " Dia. Flange
Finish	Grey baked epoxy

BAFFLE SPECIFICATIONS

Baffle Material	Cast aluminum
Speaker Grille Material	22-gauge perforated stainless steel
Overall Dimensions	10.75" (273 mm) square x 1" (25 mm) deep
Color	White

AMPLIFIER/CONTROLLER SPECIFICATIONS

Power Rating	9 watts RMS into 8 Ω load with 9VDC In
Input	RJ-45 female on PCB accessible from rear of baffle
Outputs	2 wire main ± terminated to loudspeaker
Power Source	Cisco IEEE 802.3AF compliant POE network switches or local 12-18VDC PSU
Dimensions	4.25" (108 mm) by 7.25" (184 mm)
Mounting	4 holes to weld studs on baffle (factory assembled)
Network Control	Berbee InformaCast on multicast enabled networks

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